

Key Features

CR:306 Class 2 Sound Level Meter

- A simple Sound Level Meter for basic noise level measurements and spot checks
- Class 2 Sound Level Meter
- dB(A) & dB(C) Frequency Weightings
- Fast Time Weighting with Maximum Hold (LAFmax or LCFmax) - CR:306 Version
- Slow Time Weighting with Maximum Hold (LASmax or LCSmax) - CR:306/S Version
- Measurement range of 35dB(A) to 130dB(A)
- Windshield included as standard



The CR:306 is the ideal instrument for basic noise surveys and can be used for measurements such as vehicle noise checks, workplace spot checks, fire alarms and audible warning systems as well as the installation of sound systems.

There are also many applications where a Sound Level Meter is useful but where a high specification instrument could be too costly or complex.

In these situations, the CR:306 becomes a simple low cost option.

The CR:306 is a general purpose digital sound level meter which meets the full requirements of IEC 61672 to Class 2.

The instrument has both 'A' and 'C' frequency weightings along with a Max Hold button to hold the maximum reading occurring during the measurement period.

The CR:306 allows noise levels to be checked quickly and simply, with the large display showing the Sound Level (SPL) with the standard dB(A) frequency weighting. dB(C) Frequency Weighting is also provided.

The instrument has two measurement ranges, and can measure from 35dB(A) to 130dB(A). The maximum hold function allows the unit to freeze the display showing the highest level measured.

The CR:306 can be ordered with Slow Time Weighted with the product code CR:306/S or CK:306/S for the measurement kit.

A windshield is provided as standard with the CR:306 sound level meter.



Ordering Information & Specifications

The CR:306 Sound Level Meter is supplied as standard with a 24 month warranty, operating manual, a certificate of calibration, battery, calibration screwdriver and a windshield.

For regions where Slow response is used, the CR:306/S version will meet this requirement instead of the standard Fast Time Weighting.

Please specify the /S version where this is required.

The instrument can be ordered as a complete measurement kit which includes all of the accessories needed to carry out a noise measurement.

The CK:306 Measurement Kit contains the CR:306 Sound Level Meter, a CR:514 Acoustic Calibrator, a UA:239 Windshield and a CP:65 Carrying Pouch.

The kit also includes certificates of calibration and operating manuals along with batteries for both the Sound Level Meter and the Acoustic Calibrator.

Please specify the measurement kit as a CK:306/S for the Slow Response version.



Specifications

Applicable standards:

CR:306: IEC 61672:2002-1 Class 2
IEC 60651:1979 Type 2 I
ANSI S.1.4

CR:306/S: IEC 60651:1979 Type 2 I
ANSI S.1.4

Measurement Range:
35dB(A) to 130dB(A)
40dB(C) to 130dB(C)

Range Information:
L (Low) = 35dB(A) to 100dB(A)
H (High) = 65dB(A) to 130dB(A)

Frequency Weighting:
dB(A) & dB(C)
to IEC 61672:2002-1 Class 2

Time Weighting:

CR:306: Fast to IEC 61672:2002-1 Class 2
CR:306/S: Slow to IEC 60651:2001 Type 2 I

Display Functions:

Normal (Sound Level), Maximum Hold

Measurement Functions:

CR:306: LAF, LCF, LAFMax, LCFMax
CR:306: LAS, LCS, LASMax, LCSMax

Display Flags:

Overload (Green Light)
Under range (Red Light)
Maximum Hold (HOLD)
Low battery (LOWBAT)

Display: 3 ½ digit LCD with 0,1dB Resolution

Outputs: AC Out Max output = 2V

Power: 1 x 9V (6F22, PP3)
External DC Power, 7V to 10V

Microphone:

½" pre-polarised electret condenser
(Typically Type MK:268)

Temperature:

Operating: -10°C to +50°C
Storage: -20°C to +60°C

Dimensions:

Length 248mm, Width 66mm, Depth 30mm

Weight: 227 gms (8oz) with battery

CE classification:

EMC EN50081-1, EN 50082-1
Safety EN 61010-1, 1993 portable equipment
pollution category 2



Acoustic House
Bridlington Road
Hunmanby
North Yorkshire
YO14 0PH
United Kingdom

T: 0845 230 2434 (UK)
+44 1723 891655
F: +44 1723 891742
E: sales@cirrusresearch.co.uk
W: www.cirrusresearch.co.uk

